

FIGURE 1

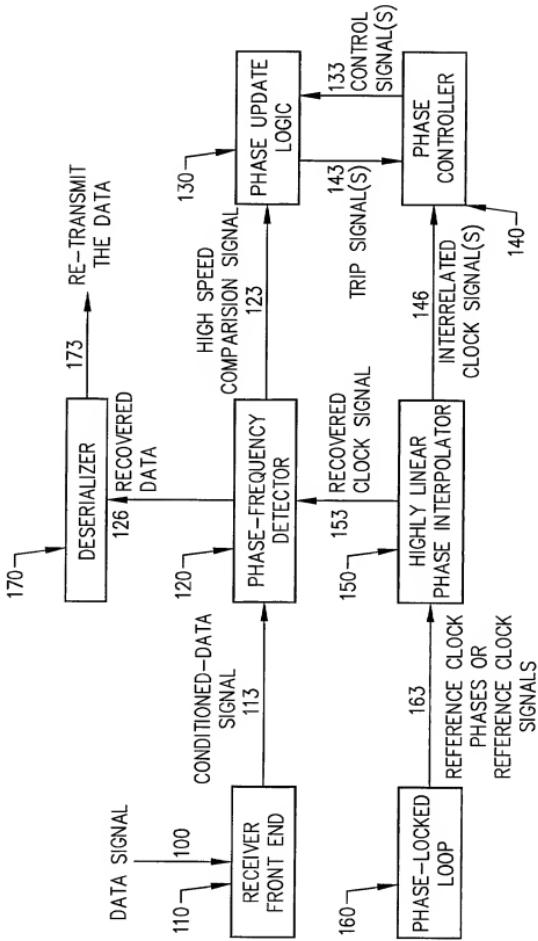


FIGURE 2

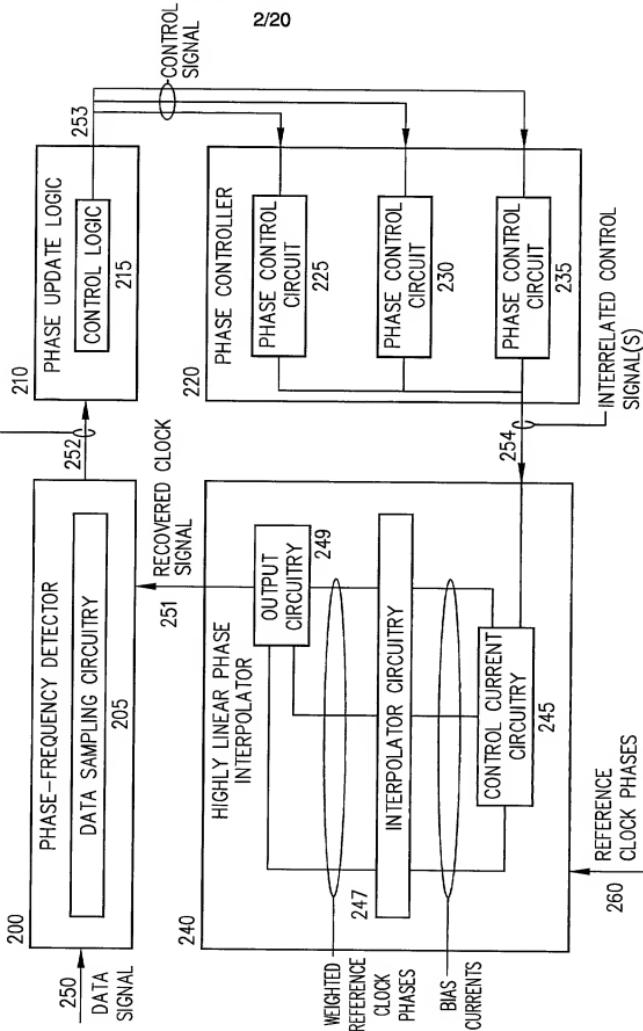


FIGURE 3A

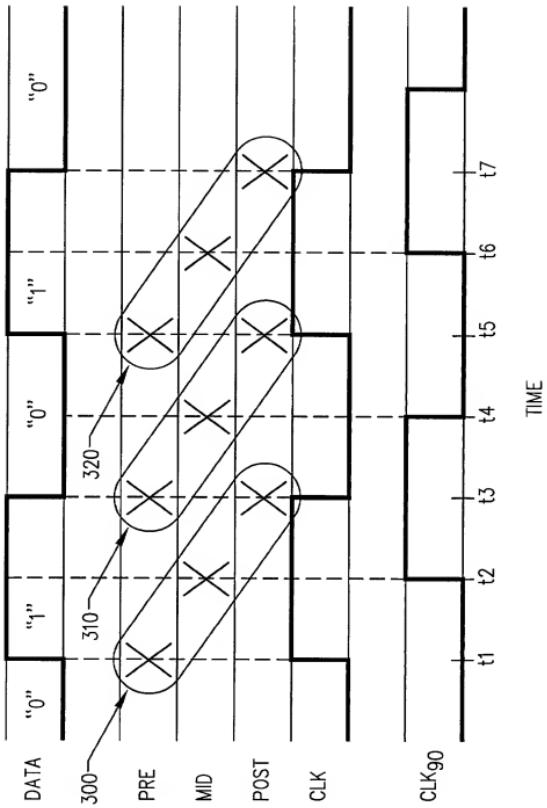


FIGURE 3B

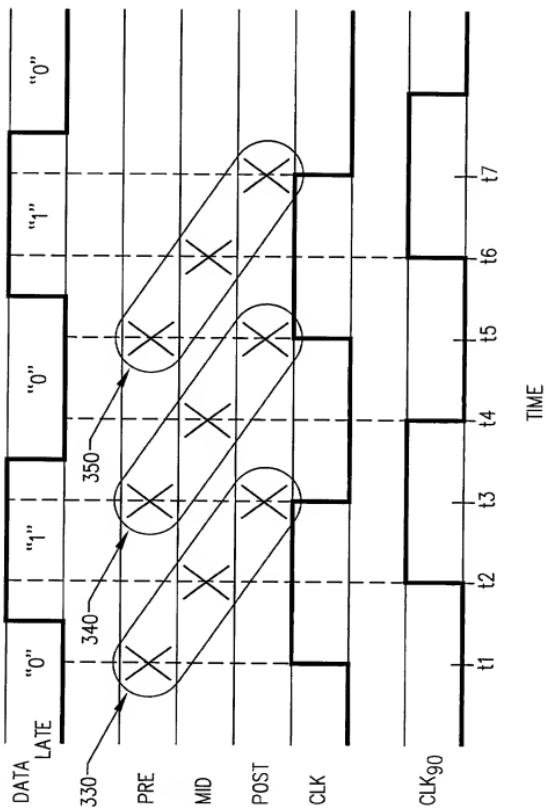


FIGURE 3C

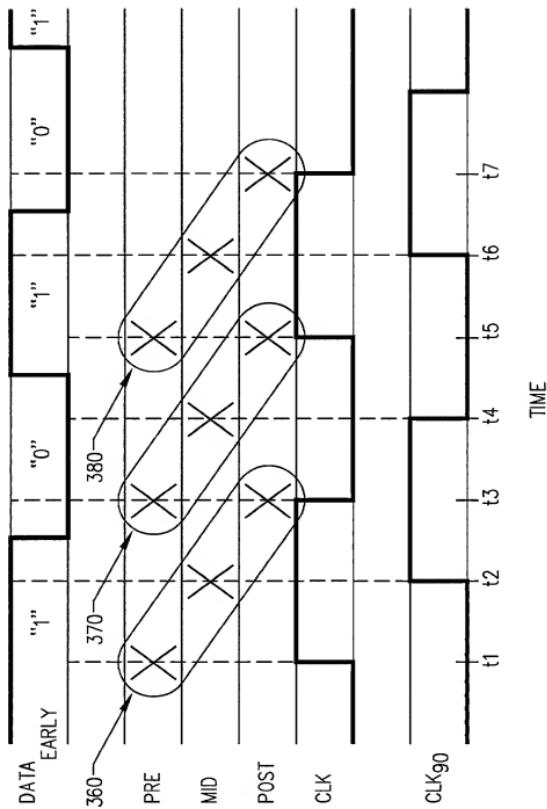
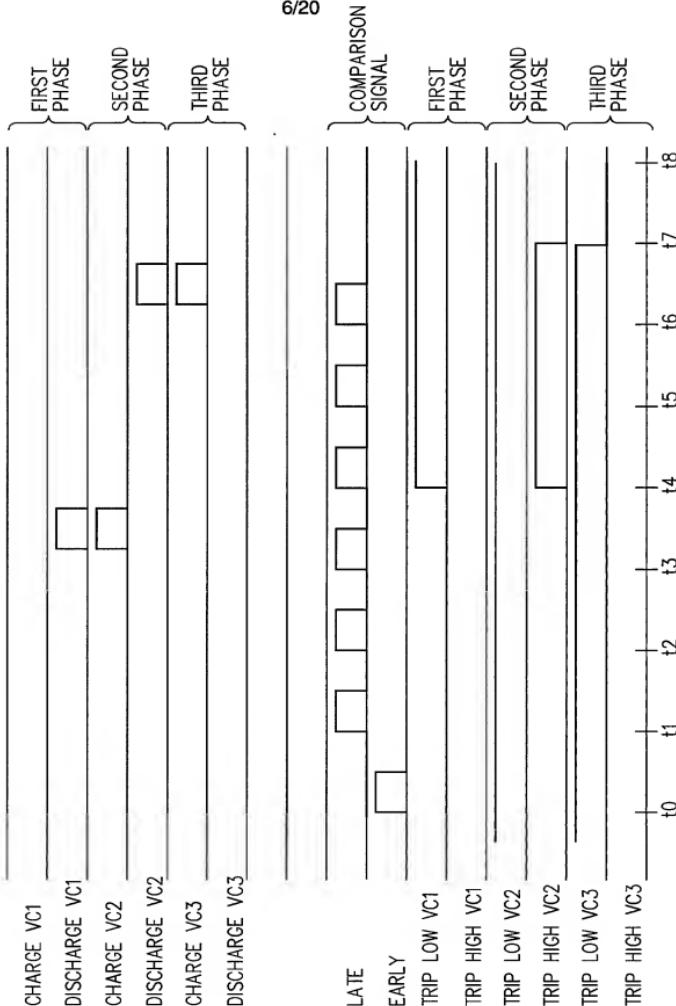


FIGURE 4



VOLTAGE CONTROLLER 500

FIGURE 5

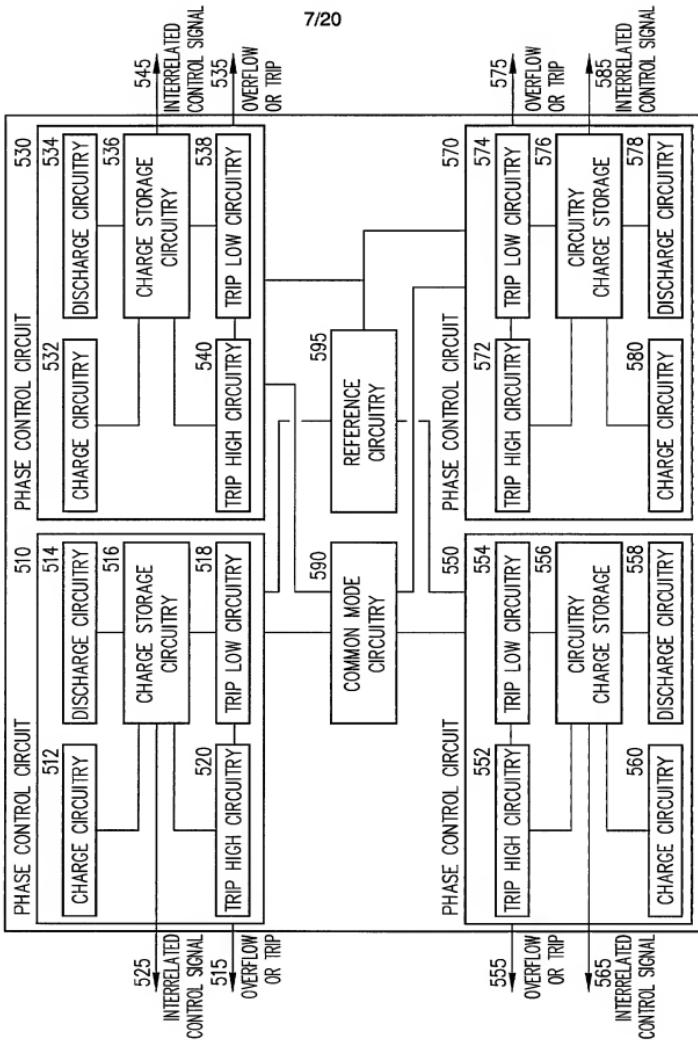


FIGURE 6

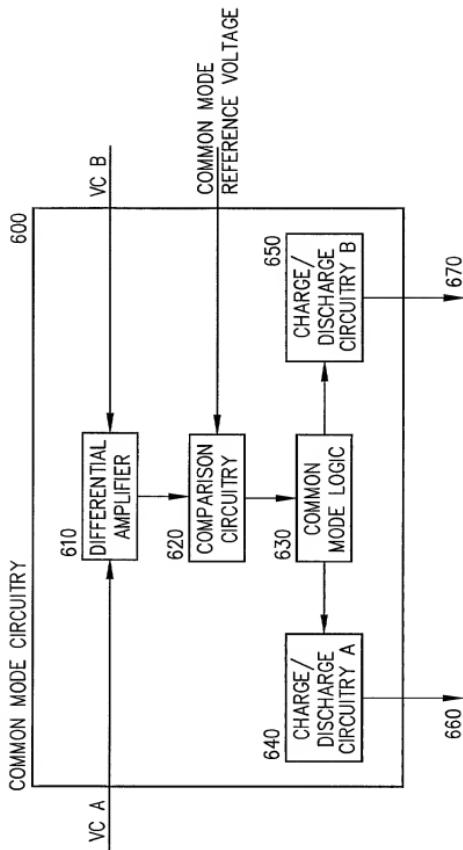
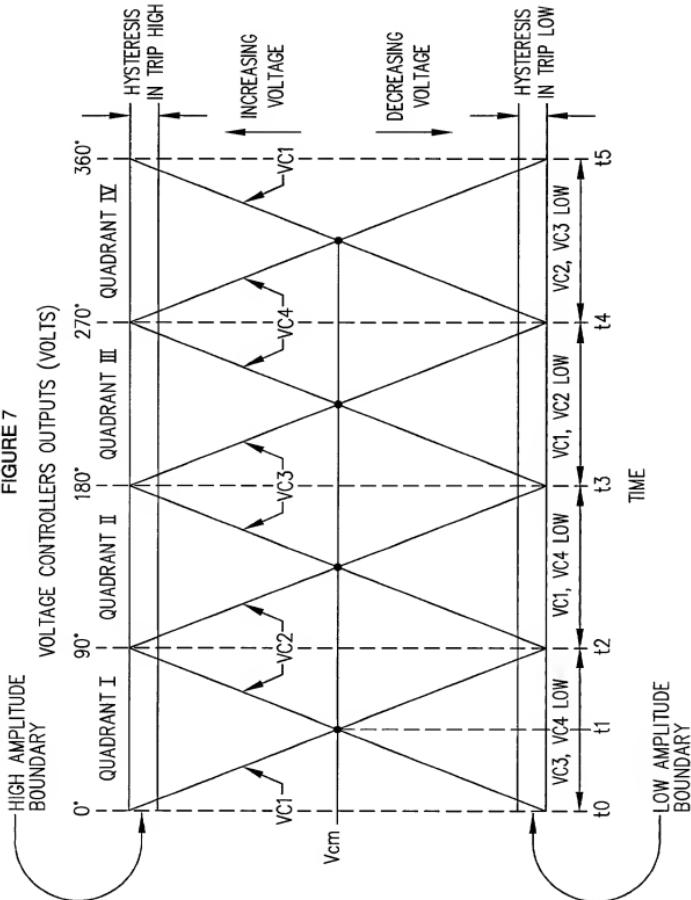


FIGURE 7



800

HIGHLY LINEAR PHASE INTERPOLATOR

FIGURE 8

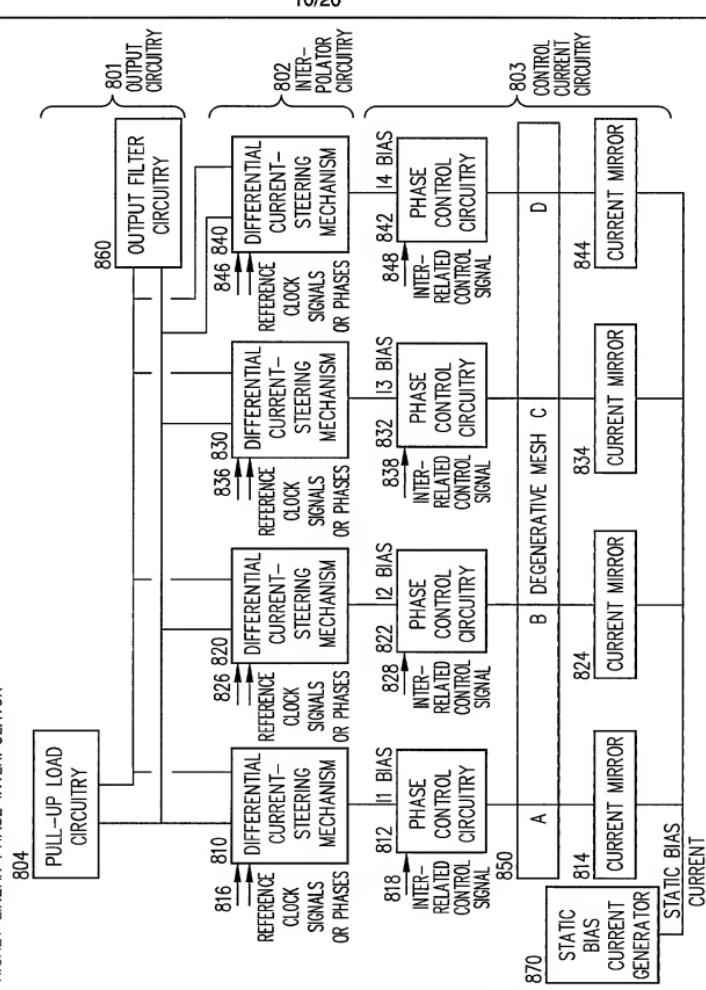


FIGURE 9

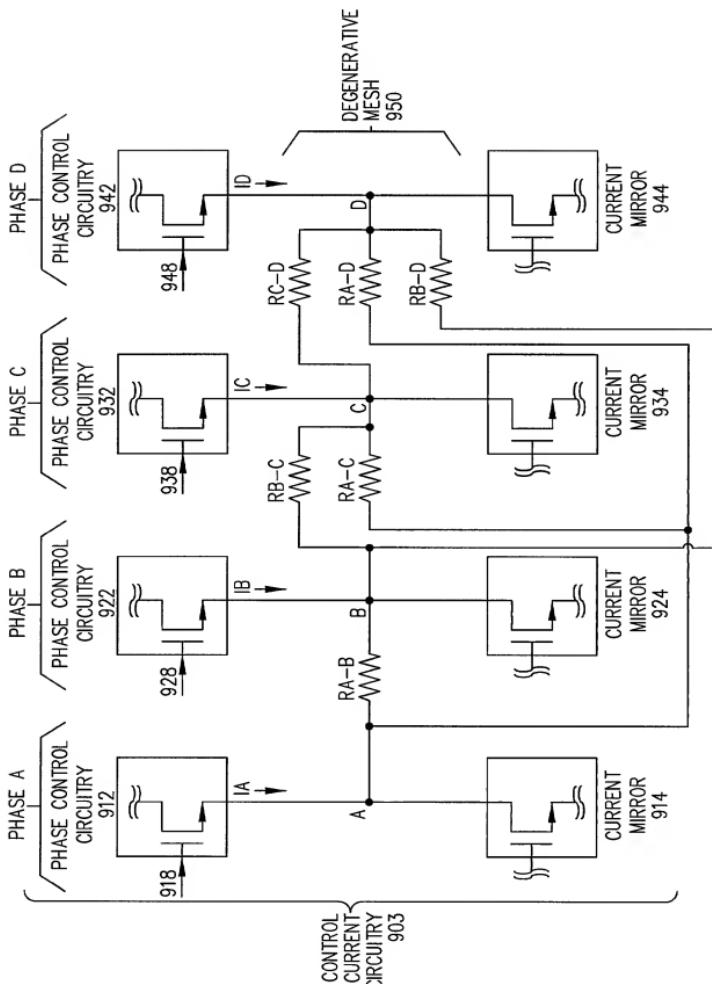


FIGURE 10

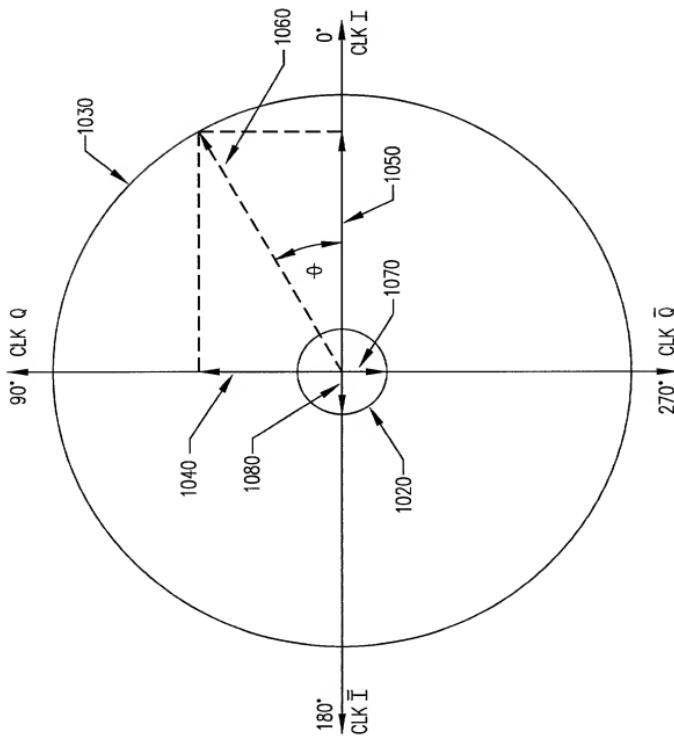
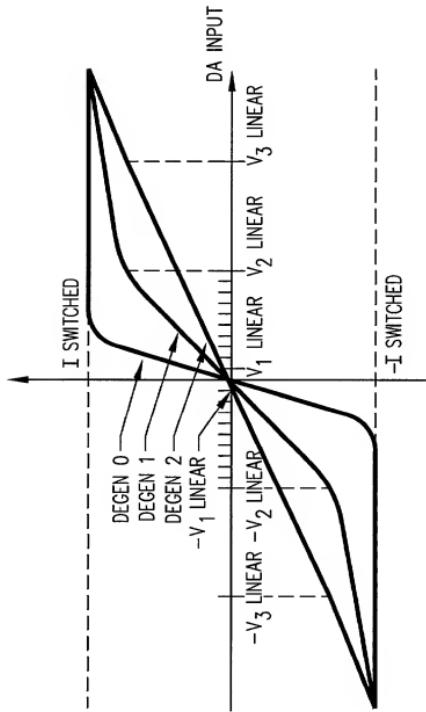


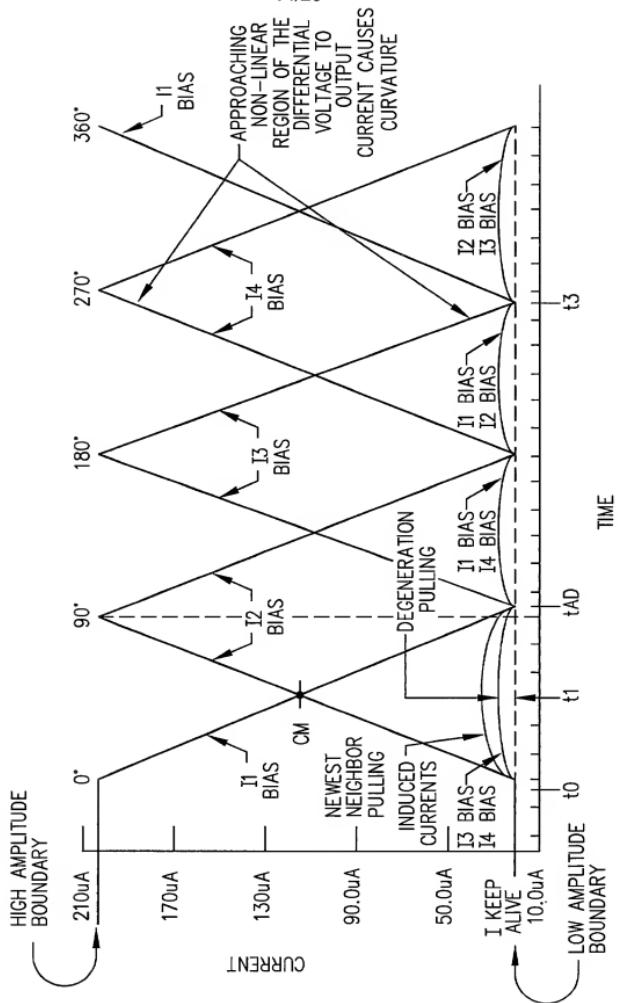
FIGURE 11

PSEUDO-DIFFERENTIAL AMPLIFIER CURRENT OUTPUT (DA OUT)



PSEUDO-DIFFERENTIAL AMPLIFIER SWING RANGE BASED ON DEGENERATION

FIGURE 12



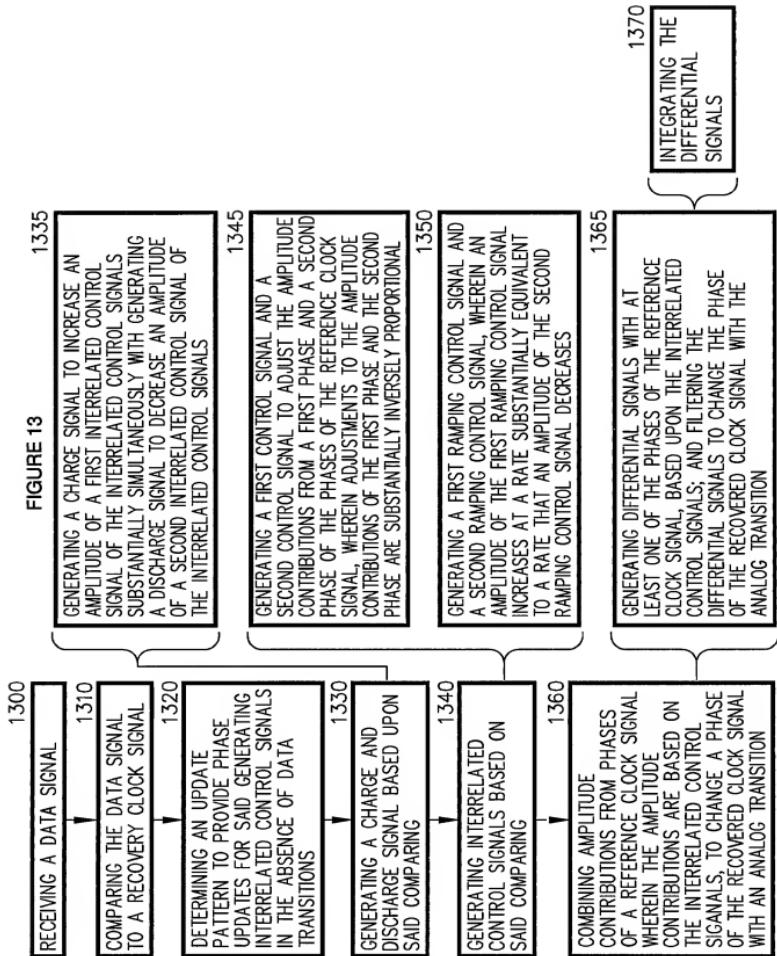
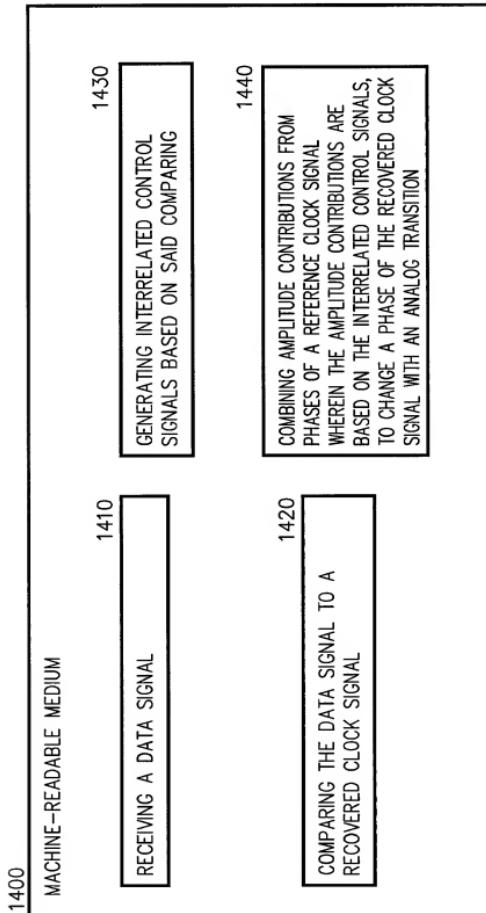


FIGURE 14



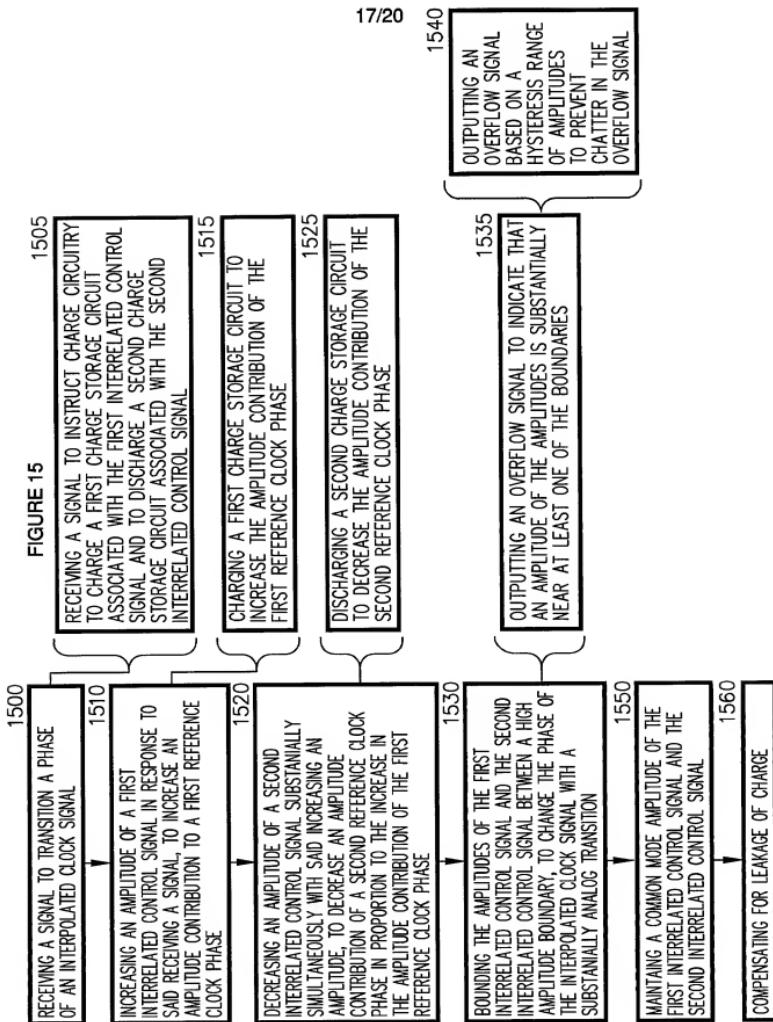
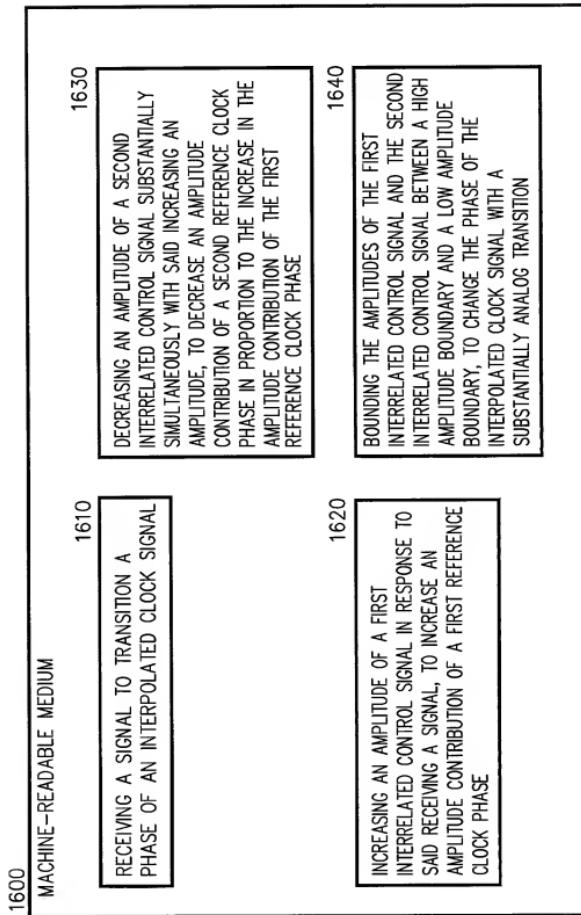


FIGURE 16



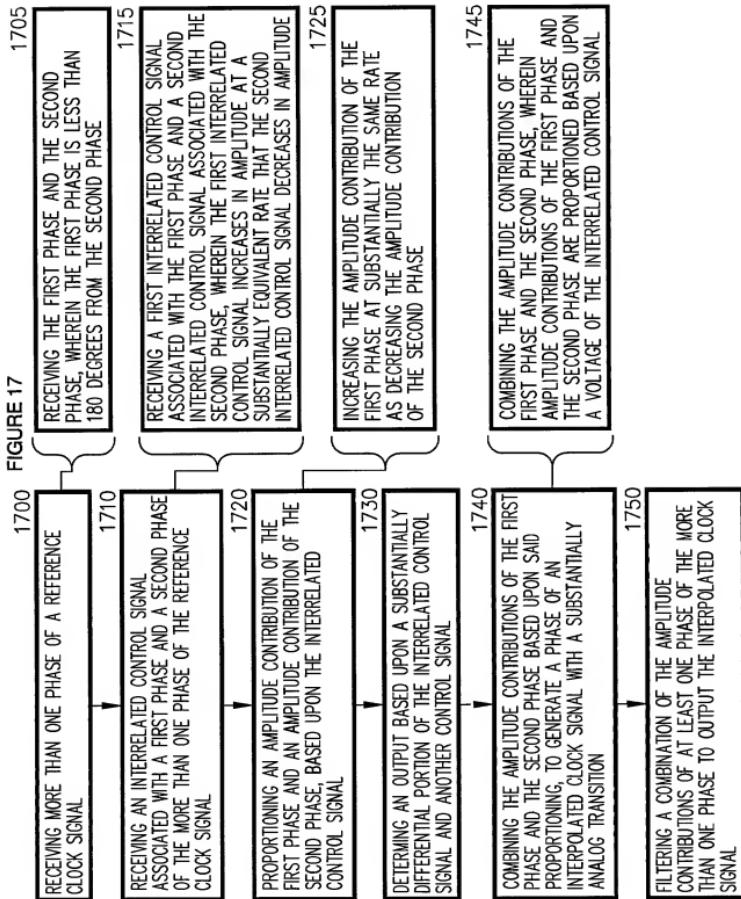


FIGURE 18

42390P12278
PHASE INTERPOLATOR BASED CLOCK RECOVERING
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